

PHOTOGRAPHIC INTERPRETATION REPORT



SELECTED PARABOLIC
ANTENNAS AT SIMFEROPOL,
GALENKI, AND
MOSCOW / SHCHELKOVO
TRACKING FACILITIES

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25X1A

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WARNING

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INSTALLATION OR ACTIVITY NAME					COUNTRY	
Selected Parabolic Antennas at Simferopol, Galenki, and Moscow/Shchelkovo Tracking Facilities					UR	
UTM COORDINATES	GEOGRAPHIC COORDINATES	CATEGORY	BE NUMBER	COMIREX NO.	NIETB NO.	
NA	See Below	NA	See Below	See Below	See Below	
MAP REFERENCE						
ACIC. US Air Target Chart 200, Sheets 0250-20, 0282-21, 0167-5, scale 1:200,000						
LATEST IMAGERY USED			NEGATION DATE (if required)			
[REDACTED]			NA			
REQUIREMENT			NPIC PROJECT			
[REDACTED]			210108			

ABSTRACT

A comparative photo analysis of selected parabolic dish antennas at the Simferopol Space Flight Center, the Galenki ESV Tracking Facility, and the Moscow/Shchelkovo ESV Tracking Facilities listed below reveals that the antennas vary in diameter and in configuration of reflecting surfaces. The Galenki facility also was examined for construction of an antenna similar to the [REDACTED] diameter antenna at Moscow/Shchelkovo; none was found. 25X1D

Simferopol Space Flight Center; 45-03-26N 033-53-42E; B. E. [REDACTED] COMIREX 25X1A

Galenki ESV Tracking Facility; 44-01-20N 131-45-40E; B.E. [REDACTED] COMIREX 25X1A

Moscow/Shchelkovo ESV Tracking Facility; 55-56-30N 037-58-10E; B.E. [REDACTED] COMIREX [REDACTED] 25X1A

DESCRIPTION

Simferopol Space Flight Center

The parabolic antenna at Simferopol Space Flight Center (Figure 1) was constructed in [REDACTED] in an existing telemetry area approximately 3,000 feet east of the main facility. The antenna has been observed on [REDACTED] missions and several ground photographs. When the antenna was observed on Mission [REDACTED] the dish was in a stowed position (pointed straight up). The reflector is constructed of mesh and utilizes what appears to be a horn-type feed. The antenna (Figure 2) is mounted on a masonry pedestal and has a height of [REDACTED] to the rim of the dish; the diameter is [REDACTED]. The control building is located east of the antenna and has an estimated size of 110 feet by 40 feet. Logistical support for the antenna is provided by the space flight center. 25X1D 25X1B 25X1D

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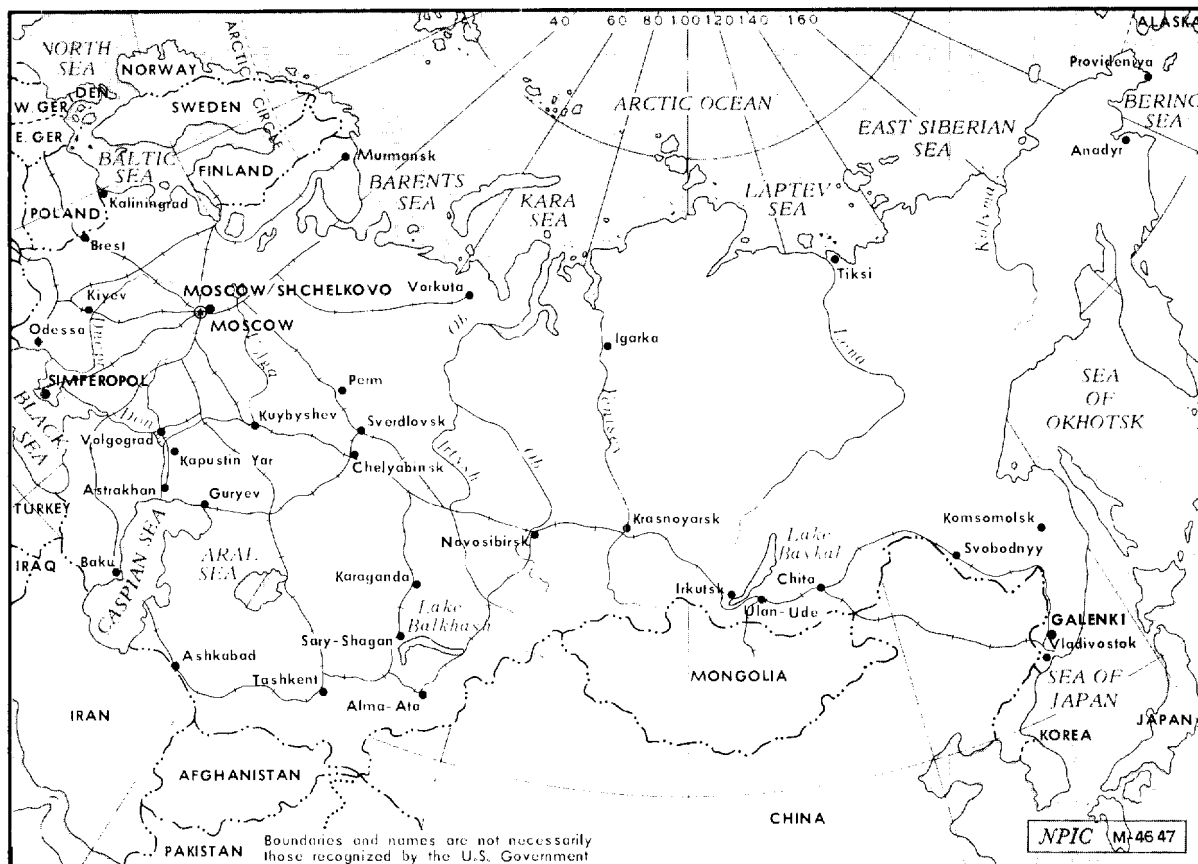


FIGURE 1. LOCATION MAP.

Galenki ESV Tracking Facility

The parabolic antenna at the Galenki ESV Tracking Facility (Figure 1), constructed in [REDACTED] is located immediately south of the existing facility and is connected to it by a newly constructed road. [REDACTED]

The dish appears to have a solid reflecting surface; is pedestal mounted; and is [REDACTED]. The pedestal and dish have a total height of approximately 100 feet. Two buildings were added to the ESV tracking facility during the same period as the antenna; a control building is located north, and a support building south of the antenna. The approximate dimensions are 145 by 50 feet and 120 by 30 feet, respectively. Logistical support for the antenna is provided by the ESV tracking facility.

Mission [REDACTED] was examined for construction of an antenna similar to the [REDACTED] diameter Moscow/Shchelkovo dish. The only construction observed

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is the addition of one large building east of the ESV domes. The function of the building cannot be determined because of the early stage of construction.

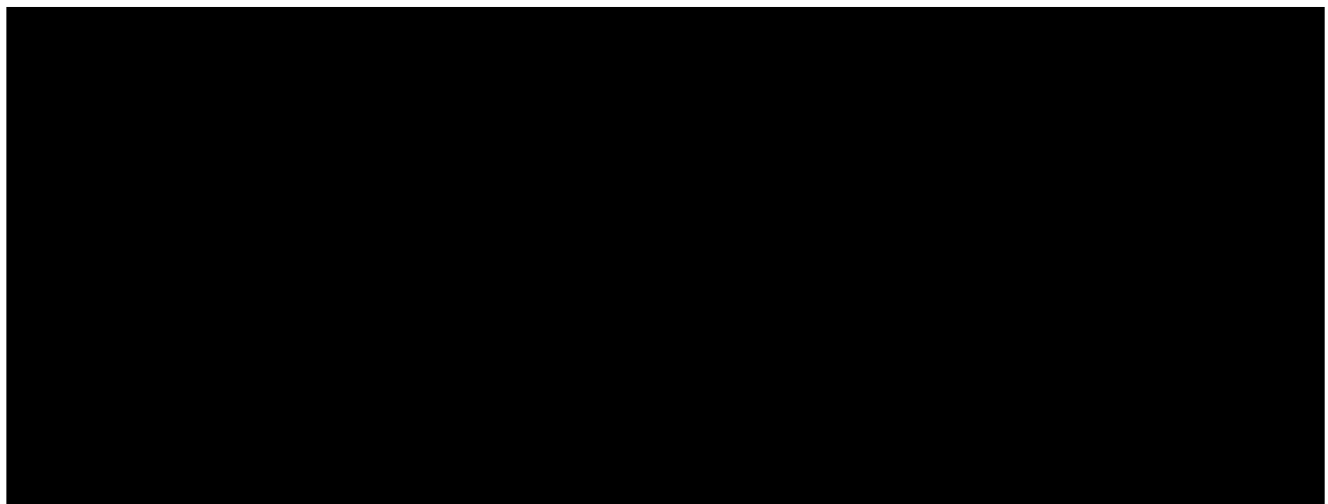
Moscow/Shchelkovo ESV Tracking Facility

The parabolic antenna at Moscow/Shchelkovo ESV Tracking Facility (Figure 1) was first observed in [REDACTED] at that time it was located on a pad beside its pedestal. By Mission [REDACTED] the dish had been mounted on the pedestal. The antenna reflecting surface is constructed of a solid material, and is [REDACTED] feet in diameter and approximately [REDACTED] in depth. The height of the antenna and pedestal is 75 feet (\pm 15 feet). A control building (estimated dimensions 215 by 75 feet) is located immediately west of the antenna. The ESV tracking facility provides logistical support for the antenna.

The probable antenna position observed on Mission [REDACTED] was also covered on Mission [REDACTED]. On the latter photography, an unidentified probable telemetry array was on the position; however, the small scale of the photography precluded the identification of the specific type of array.

REFERENCE DATA

IMAGERY



MAPS OR CHARTS

ACIC. US Air Target Chart 200, Sheets 0250-20, 0282-21, 0167-5, scale 1:200,000

*Subsequent photography through Mission [REDACTED] has been reviewed and reveals no significant changes.

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